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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/50872A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01V1/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 219 620 B1 (PARK WILLIAM PENTLAND ET AL) 17 April 2001 (2001-04-17) the whole document ---	1-44
Y	US 6 226 601 B1 (LONGAKER HAROLD L) 1 May 2001 (2001-05-01) column 6, line 53 - line 55 column 7, line 40 - line 49 ---	1-44
A	US 2001/039478 A1 (BARY RENATE ET AL) 8 November 2001 (2001-11-08) the whole document ---	1-44 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the International search  28 April 2004	Date of mailing of the International search report  11.05.04
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  PIA EKLUND/MN

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 06, 30 April 1998 (1998-04-30) & JP 10 031075 A (SEKIYU KODAN), 3 February 1998 (1998-02-03) abstract ---	1-44
A	EP 0 978 733 A (INPUT OUTPUT INC) 9 February 2000 (2000-02-09) the whole document ---	1-44
A	US 6 424 931 B1 (HAIDE JANOS ET AL) 23 July 2002 (2002-07-23) the whole document -----	1-44

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